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A control section 1 controls a telephone unit body which
is one embodiment of a hardware structure according to the
present invention. The control section 1 is composed of a
central processing unit (CPU) which controls search means for
a designated country, area, and so on, a memory card 2 storing
telephone numbers, names, addresses, and so on, a display
section 4 for displaying the data processing result, and a
communication and calling device 5, and a ROM/RAM which performs
system control.

The data memory section 2 is formed by a card type memory
or a semiconductor memory which stores data such as a telephone
number, name, address, and so on. In this embodiment, a card
type memory is used for description.

A key switch 3 is a key switch for inputting numbers from
0 to 9, symbols such as * and #, and other abbreviated dialing
numbers.

The display section 4 is formed by a cathode-ray tube,
plasma, liquid crystal, and the like, for displaying
information such as the numbers input through the key switch
3, a country name, a name, and a telephone number of the calling
destination party, date and other time information, and for also
displaying message when communication connection is not
available.

The communication and calling device 5 is a computer
program, a modulator/demodulator (modem), a network control
unit (NCU), and so on, for controlling communication with a
destination party due to dialing or abbreviated dialing through
the key switch 3.

Next, the an example usage operation of the present

1

invention will be described based on the flow chart shown in Fig. 2.

(1) Input calling destination party designation

A calling destination party is designated by dialing through the key switch 3 or by abbreviated number dialing through the function key.

(2) Country code

From the numbers input through the key switch 3, the presence of a country code defined in the international call which is stored in the ROM/RAM of the control section 1 and the name of the country which is input are determined.
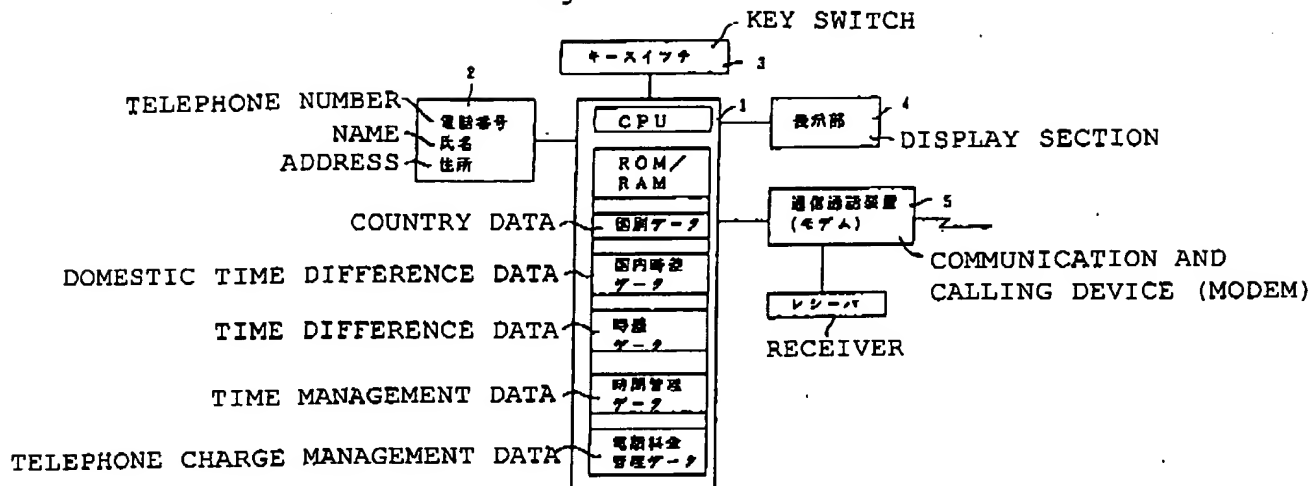
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Fig. 1

KEY SWITCH
キースイッチ 3

TELEPHONE NUMBER
NAME
ADDRESS
電話番号
氏名
住所
2

CPU 1

ROM/
RAM

表示部 4 DISPLAY SECTION

COUNTRY DATA — 国別データ

DOMESTIC TIME DIFFERENCE DATA — 国内時差データ

通信通話装置
(モデム) 5
COMMUNICATION AND
CALLING DEVICE (MODEM)

TIME DIFFERENCE DATA — 時差データ

TIME MANAGEMENT DATA — 時間管理データ

レシーバ
RECEIVER

TELEPHONE CHARGE MANAGEMENT DATA — 電話料金管理データ

Fig. 2

(1) 通話先指定入力 — INPUT CALLING DESTINATION PARTY DESIGNATION

(2) 国別コード判別 — DETERMINE COUNTRY CODE

(3) 国内時差のある国か？ — COUNTRY WITH DOMESTIC TIME DIFFERENCE?
(エリアコード判別) (DETERMINE AREA CODE)

(4) 現地時刻を算出 — CALCULATE LOCAL TIME
(サマータイム考慮) (CONSIDER SUMMER TIME)

(5) 祝日データベースをアクセス — ACCESS HOLIDAY DATABASE

(6) 現地時刻等の表示 — DISPLAY LOCAL TIME ETC.

(7) 発信確認 — CONFIRM CALLING

モデム等へ指令送出 — TRANSMIT INSTRUCTION TO MODEM ETC.

—309—